BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Providing CC Roads and Ashalting to Roads at Gangamma Gudi area in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Estimate Cost: 1450000.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 152 / Item No. 19.2/ PWD SR 2013-14**	Cum							
	For CC Road								
			1	66.00	5.00	0.10	33.00		
				63			**33.00**	**90.72**	**2994.00**
	Basic Rate	84.00					31.50		2858
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 / Item No. 4.3 PWD SR - 2013-14**	Cum							
	For CC Road								
			1	66.00	5.00	0.15	49.50		
				63			**49.50**	4290.84	**212397.00**
	Basic Rate	3973.00					47.25		202742
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							
3	KSRRB M2600-3: Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, **No. 251 / Item No. 31.3 PWD SR 2013-14**	M							
			6	5.00			30.00		
							30.00	137.16	**4115.00**
	Basic Rate	127.00							
	Area Weightage @ 8%	10.16							
	Total	**137.16**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 19 / Item No. 4.48.1/ PWD SR 2013-14**	Cum							
			1	66.00	5.00	0.10	33.00		
							33.00	6464.88	**213341.00**
	Basic Rate	5986.00		63					
	Area Weightage @ 8%	478.88					31.50		203644
	Total	**6464.88**							
5	**Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **190 / Item No. 22.7/ PWD SR 2013-14**	Sqm							
			1	66.00	5.00		330.00		
							330.00	91.80	**30294.00**
	Basic Rate	85.00		63					
	Area Weightage @ 8%	6.80					315.0		28917
	Total	**91.80**							
6	KSRRB 300-45: Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet/surface dressing and stacking of old serviceable materials within a lead of 100 meters by manual means including cost of all labour charges complete as per specifications. MORTH chapter 3, **No. 158 / Item No. 19.51/ PWD SR 2013-14**	Sqm							
			1	53.00	5.00		265.00		
			1	34.00	5.00		170.00		
			1	48.00	5.00		240.00		
			1	46.00	5.00		230.00		
			1	40.00	5.00		200.00		
			1	169.00	5.00		845.00		
							1950.00	40.50	**78975.00**
	Basic Rate	37.50							
	Area Weightage @ 8%	3.00							
	Total	**40.50**							
7	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P.170 / I.20.18) PWD SR - 2013-14.**	Cum							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1	53.00	5.00	0.15	39.75		
			1	34.00	5.00	0.15	25.50		
			1	48.00	5.00	0.15	36.00		
			1	46.00	5.00	0.15	34.50		
			1	40.00	5.00	0.15	30.00		
			1	169.00	5.00	0.15	126.75		
							292.50	1121.04	**327904.00**
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	**1121.04**							
8	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P.175 / I.21.1) PWDSR 2013-14**	Sqm							
			1	53.00	5.00		265.00		
			1	34.00	5.00		170.00		
			1	48.00	5.00		240.00		
			1	46.00	5.00		230.00		
			1	40.00	5.00		200.00		
			1	169.00	5.00		845.00		
							1950.00	10.53	**20534.00**
	Basic Rate	9.75							
	Area Weightage @ 8%	0.78							
	Total	**10.53**							
9	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 175 / Item No. 21.6/ PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 12				1950.00		
							1950.00	44.28	**86346.00**
	Basic Rate	41.00							
	Area Weightage @ 8%	3.28							
	Total	**44.28**							
10	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 178 / Item No. 21.20.1/ PWD SR 2013-14**	Cum							
			1	53.00	5.00	0.025	6.63		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1	34.00	5.00	0.025	4.25		
			1	48.00	5.00	0.025	6.00		
			1	46.00	5.00	0.025	5.75		
			1	40.00	5.00	0.025	5.00		
			1	169.00	5.00	0.025	21.13		
							48.75	9631.44	**469533.00**
	Basic Rate	8918.00							
	Area Weightage @ 8%	713.44							
	Total	**9631.44**							
11	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
							Vide Item No. 1	**33.00**	72.71	**2399.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
12	Miscellaneous and other Charges	L/S							**1168.00**
							Total		**1450000.00**

ADMINISTRATIVELY SANCTIONED FOR Rs 14.50
Rupees Fourteen lakhs Fifty thousand only
Under P-177
Registered as EE ( ) No 31.50
Subject to conditions contained in enclosed memo EE ( ) No SE(4e1)39/13-14
Dt 30/10/13 Estimate A/Sanctioned
No
dated 30/10/13 Rs 14.50 lakhs
14500
Joint Commissioner (Yelahanka Zone) BBMP, Bengaluru-92
30/10/13

(Rs. Fourteen Lakhs Fifty Thousand Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 This work included under 2013-14 POW.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

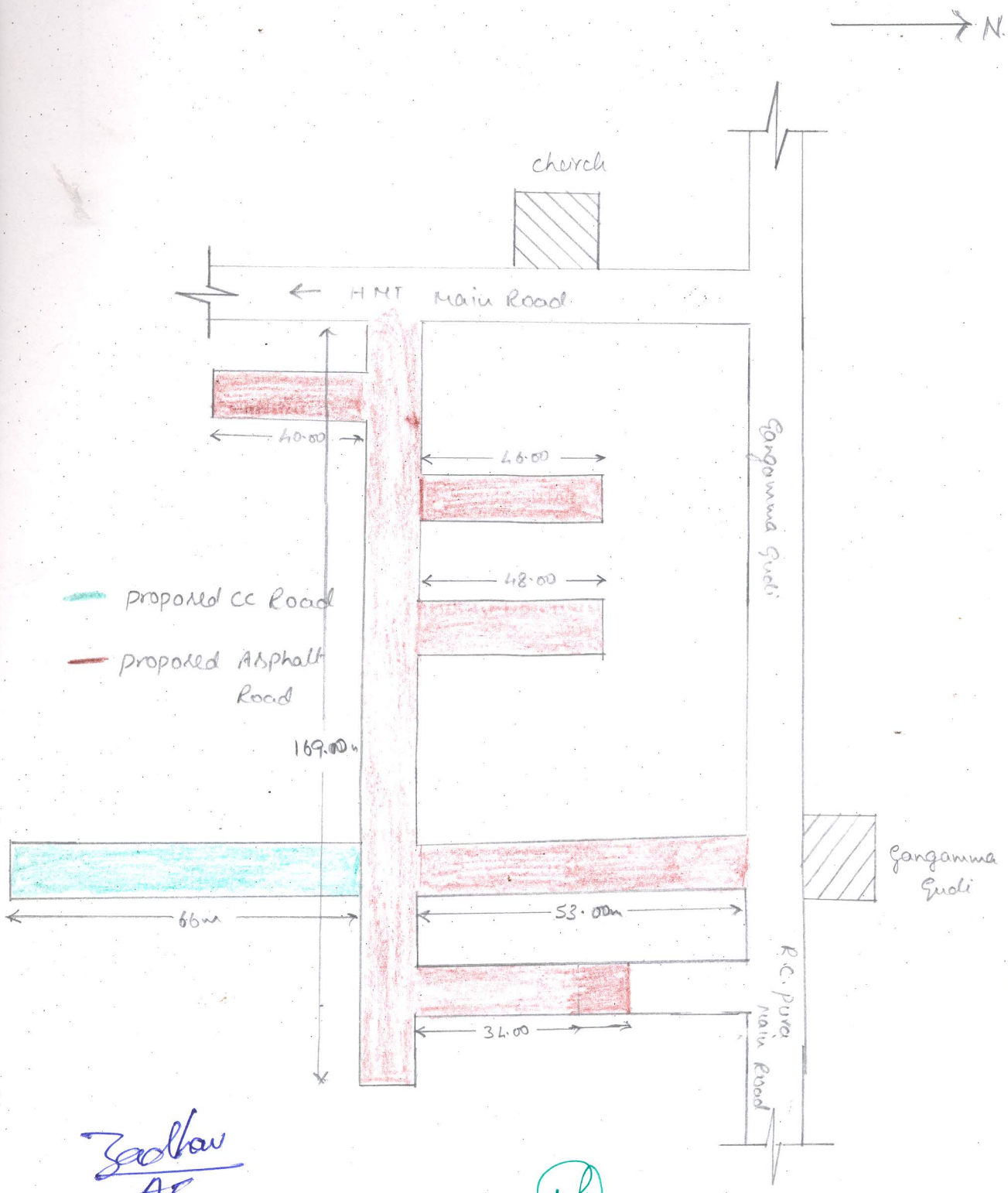
Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Rs-14.50 lakhs - fifty thousand only
P-177
EE-no -185/13-14 Subject memo.
Dr 29/10/13
EE (BTP.Div.)

Providing CC Roads and Ashalting to Roads at Gangamma Gudi area in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.



Jadhav
AE

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97